

# Intelligent Energy



# Europe

## CO-OPERATION BETWEEN IEE SAVE PROJECTS AND THE CONCERTED ACTION - EPBD



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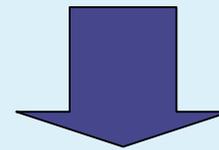
# WHAT IS “INTELLIGENT ENERGY – EUROPE”?

- “Intelligent Energy - Europe” is an EU support programme to increase energy efficiency and the use of renewable energy sources by overcoming the non-technological barriers (legal, financial, institutional, cultural, social barriers)
  - ▶ It does NOT fund costs for investments in demonstration nor in large-scale technology applications
  - ▶ It does NOT fund research on technology





- Develops markets for energy efficiency and renewables
- Supports state of the art technologies
- Brings actors together and creates innovation from diversity



**Acts as a catalyst to  
convert policy to action**

# IEE SAVE OBJECTIVES

## ■ IEE – SAVE field

- ▶ The SAVE field of IEE focuses on energy efficiency and the rational use of energy
- ▶ In the buildings sector one of the main areas concerns support for take-off of the EPBD

## ■ Currently there are 14 ongoing projects supporting EPBD implementation or addressing associated topics:

- ▶ 10 projects directly supporting take-off
- ▶ 2 projects looking at the implications for social housing retrofitting
- ▶ 2 projects focusing on community level and regional impact

## ■ IEE SAVE projects form part of a cohesive EU policy support mechanism for EPBD implementation, complementing the activities of the MS Energy Demand Management Committee, the CA-EPBD, the EPBD Buildings Platform and CEN support activities.



- With a focus on Article 3 Adoption of a methodology:
  - ▶ ENPER-EXIST: Applying the EPBD to improve the energy performance requirements to existing buildings
    - Preparing guidelines on the application of the CEN standards to existing buildings and reporting on early experience raised by application of the EPBD in order to feedback on policy.
  - ▶ EPA-NR: Energy performance assessment for existing non-residential buildings
    - Developing performance assessment tools tested in pilot projects and extracting policy recommendations based on early experience.



- With a focus on Article 4 Setting of energy performance requirements:
  - ▶ E-TOOL: Energy-toolset for improving the energy performance of existing buildings
    - Benchmarking energy consumption of different building types and preparing guidelines for typical energy saving measures.
  - ▶ Knowledge on building stock and benchmarks is also provided by the other projects:
    - ENPER-EXIST
    - EPA-NR
    - EPLABEL

## ■ With a focus on Article 7 Energy performance certificates

- ▶ **EPLabel:** A programme to deliver energy certificates for display in public buildings across Europe with a harmonising framework
  - Extending the methodology for existing buildings to public buildings by developing appropriate customised benchmarks for certification.
  - Establishing a delivery infrastructure for take-off of the Directive in municipal buildings including training schemes.
- ▶ **IMPACT:** Improving energy performance assessment and certification schemes by tests
  - Testing schemes and deriving recommendations for tools and training.



## ■ With a focus on Article 9 Inspection of Air Conditioning Systems

- ▶ **AUDITAC: Field benchmarking and Market development for Audit Methods in Air Conditioning**
  - Accelerating the adoption of Air Conditioning inspection.
  - Generating a sufficient number and variety of field demonstrations and benchmarks of inspections.
  - Promoting best practice examples and procedures in such audits and consequent retrofits.

**AUDITAC**

- **With a focus on Article 10 Independent experts**
  - ▶ **EEBD Electronic Energy Buildings Directive**
    - Developing a web-based dynamic vocational training tool.
- **With a focus on functional markets through information**
  - ▶ **BUDI: Pilot actions to develop a functioning market for energy performance certificates**
    - Supporting regional information and competence centres through information, tools and advice incorporating training, guidelines and QA procedures.
  - ▶ **STABLE: Securing the take-off of building energy certification – Improving market attractiveness through building owner involvement**
    - Delivering a targeted information campaign, disseminating customer quality requirements and increasing the competence of auditors.



## ■ Preparing the ground for take-off of the EPBD

### ▶ TOWARDS CLASS A – Municipal buildings as shining examples

- Extends the European **Display™ Campaign**
- Initiating and stimulating an energy performance of buildings process in municipalities.
- Encouraging municipalities to improve their building performance.
- Stimulating communication and awareness raising campaigns at local level.



## ■ With a focus on the implications for retrofitting of social housing:

- ▶ **ESAM: Energy strategic asset management in social housing operators in Europe**
  - Including a specific approach for the definition of long term strategies for reaching the energy performance requirements of the EPBD.
- ▶ **RESHAPE: Retrofitting of social housing and active preparation for EPBD**
  - Aiming to accelerate the implementation of the EPBD by social housing actors in Europe and to overcome the barriers for refurbishment in the sector by providing practical tools based on the opportunities.



## ■ With a focus on Sustainable Energy Communities

- ▶ **EffCoBuild: Energy efficient communities – establishing pilot communities for the building sector**
  - Investigating the role of energy efficiency measures in the building sector and the role and impact of the EPBD as an important step towards a sustainable energy community.
- ▶ **DATAMINE: Collecting data from energy certification to monitor performance indicators for new and existing buildings**
  - Preparing the way for optimised and tailored national measures to support EPBD implementation through investigation of comprehensive and harmonised monitoring systems on large samples of buildings.

# INTERACTIONS BETWEEN EU FUNDED EPBD SUPPORT INITIATIVES

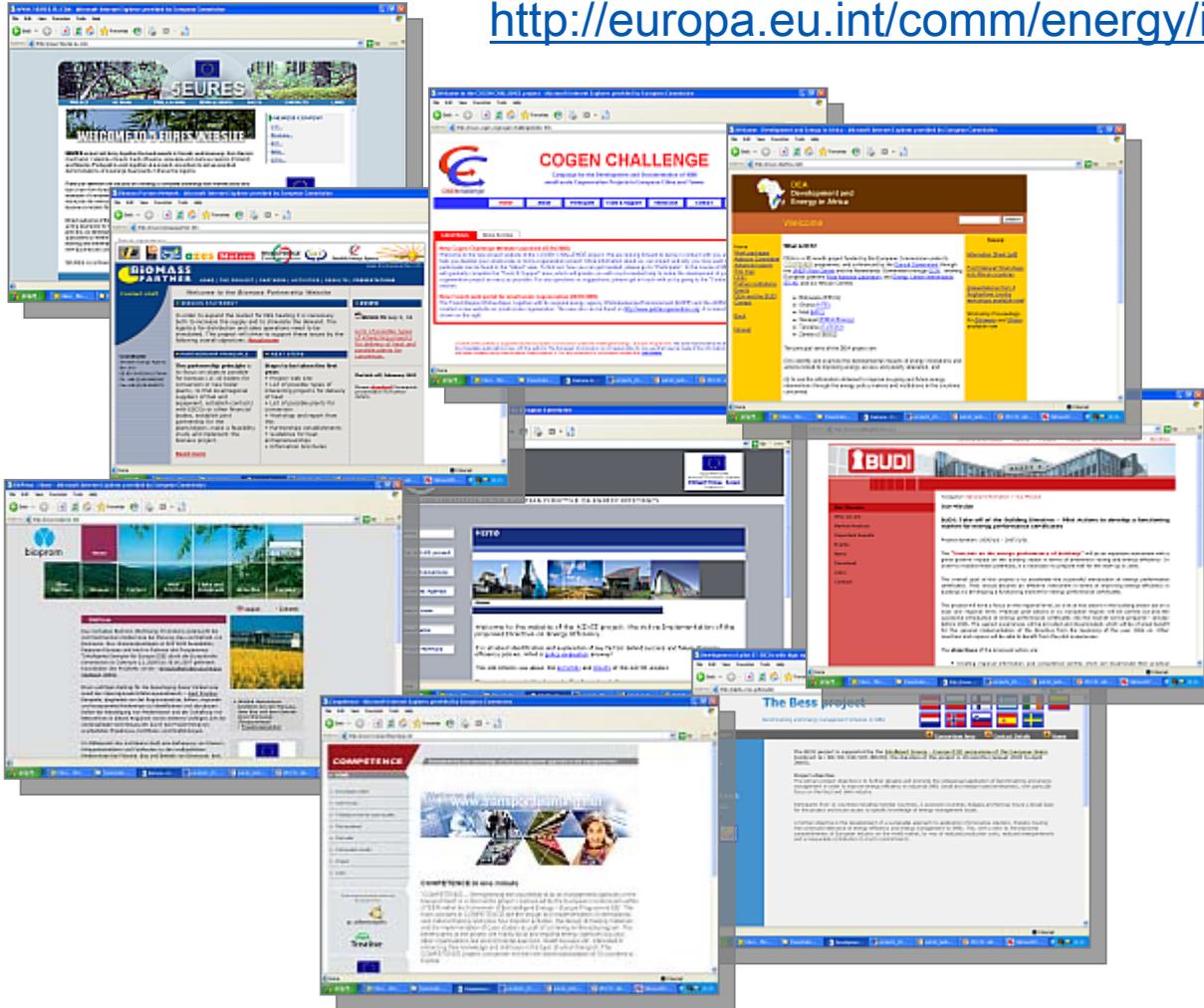
	CA-EPBD	EPBD BLGS PLAT.	CEN	BEST CERT	ENPER-EXIST	EPA-NR	EPLABEL	E-TOOL	IMPACT	AUDITAC	BUDI	EEBD	STABLE	TOWARDS CLASS A	ESAM	RESHAPE	EFFCOBUILD	DATAMINE
Community & regional impact																		
Cerification acceptance																		
Information campaigns																		
Training of certifiers																		
Accreditation of certifiers																		
Inspection & testing																		
Pilot tests on real buildings																		
Building assessment method																		
Software tools																		
Knowledge of building stock																		
Certification organisation																		

# IEE SAVE PROJECT MANAGEMENT: MULTIPLYING IMPACT BY COLLABORATION

- EPBD-AIVC Conference, Brussels, Sep. '05
  - ▶ Session dedicated to IEE EPBD projects and a Contractors' meeting – together with a poster session - for presentation of all VKA1 projects with participants from CEN, CA-EPBD and the RTD field
- Coordinated activities with the CA-EPBD
  - ▶ Invited presentations at CA meetings for specific projects related to the core themes of the Concerted Action
  - ▶ Creation of an IEE Project partners' area on the Project Centre
- EPIC-2006-AIVC Conference, Lyon, 20 Nov. – 22 Nov. '06
  - ▶ Dedicated SAVE sessions and planned Contractors' meeting
- Close collaboration with the EPBD Buildings Platform and dissemination of EPBD IEE SAVE project deliverables related to the Directive via the platform

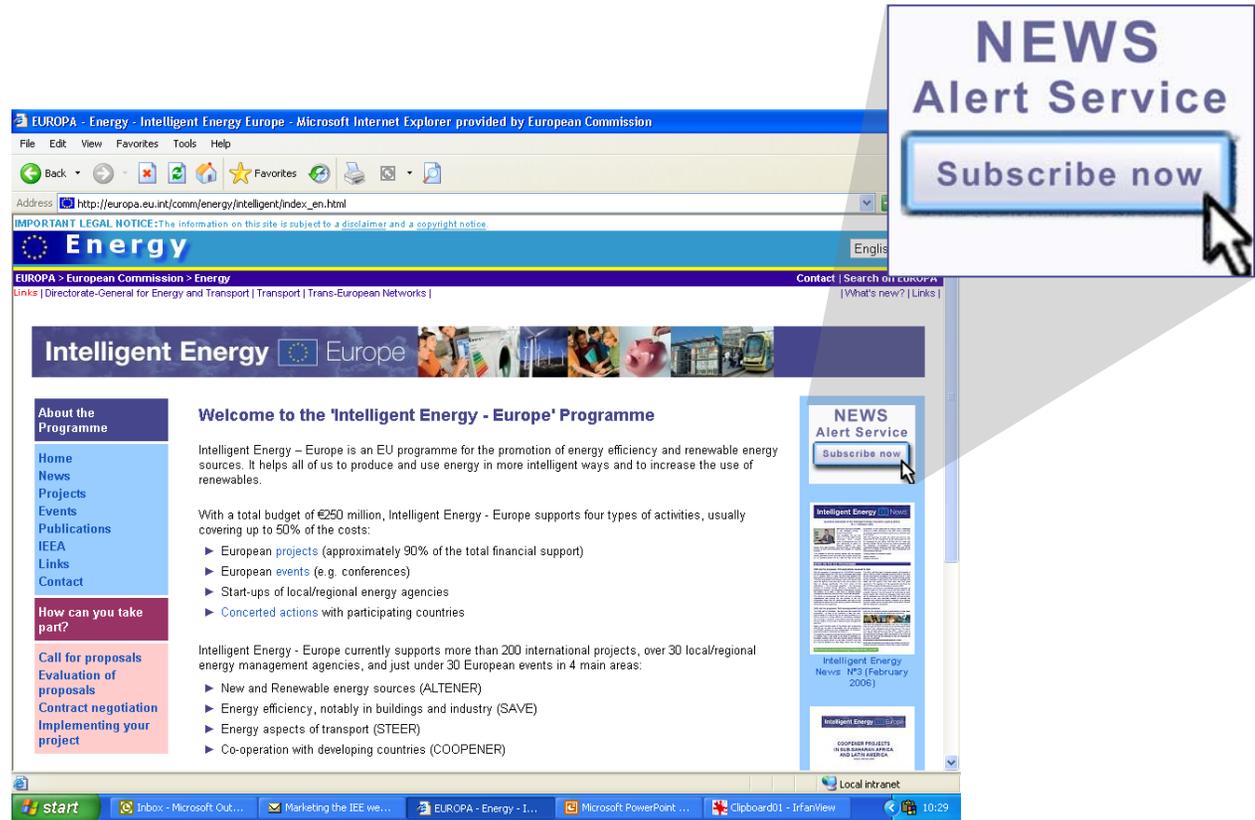


[http://europa.eu.int/comm/energy/intelligent/ieea/index\\_en.htm](http://europa.eu.int/comm/energy/intelligent/ieea/index_en.htm)



# THE IEE WEBPAGE: YOUR MAIN SOURCE OF INFORMATION

- Details of 200+ European projects
- Intelligent Energy News
- List of supported events
- Calls for proposals & how to apply
- Support for partners
- Contacts & help



The screenshot shows the IEEA website interface in Microsoft Internet Explorer. The browser address bar displays [http://europa.eu.int/comm/energy/intelligent/index\\_en.html](http://europa.eu.int/comm/energy/intelligent/index_en.html). The website header features the 'Energy' logo and a navigation menu. The main content area is titled 'Welcome to the 'Intelligent Energy - Europe' Programme' and includes a list of activities supported by the program. A callout box on the right side of the screenshot highlights the 'NEWS Alert Service' with a 'Subscribe now' button and a mouse cursor pointing to it.

[http://europa.eu.int/comm/energy/intelligent/index\\_en.html](http://europa.eu.int/comm/energy/intelligent/index_en.html)

- Annual Work Programme 2006 already available
- 2006 Call to be published in May 2006
- Total budget for support: about € 50 million



- Insight into the policy context, projects, results, lessons learned, and future perspectives
- Advice on how to apply for IEE funding
- Know-how and tips from successful project leaders
- Networking with some 400 colleagues from across Europe
- **Registration ongoing via the IEE website**

[http://europa.eu.int/comm/energy/intelligent/ieea/index\\_en.htm](http://europa.eu.int/comm/energy/intelligent/ieea/index_en.htm)



- The Commission has proposed an ambitious Intelligent Energy - Europe II programme, which will form part of the new Competitiveness and Innovation Programme 2007-13



- A decision on the details and final budget of this programme will be made later this year



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# THANK YOU FOR YOUR ATTENTION

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